



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Atty Docket

GERARDUS C.P. LOKHOFF

PHN 13,241

Serial No. 07/532,462

Group Art Unit 2603

Filed: June 1, 1990

Examiner D. Ton

DIGITAL TRANSMISSION SYSTEM, TRANSMITTER AND RECEIVER FOR USE  
IN THE TRANSMISSION SYSTEM, AND RECORD CARRIER OBTAINED BY  
RECEIVED ENS OF THE TRANSMITTER IN THE FORM OF A RECORDING DEVICE

HJC

R. Logan  
8-28-92  
REC'D

AUG 26 1992

IN THE CLAIMS

Group 260

follows:

34. A transmitter for transmitting wide-band digital information having a sample frequency  $F_s$  via a transmission medium, comprising:

an input terminal for receiving said information to be transmitted, in the form of a first digital signal,

an output, and

a signal source, having an input coupled to said input terminal, for generating and supplying to said output a second digital signal which includes said information, said second digital signal comprising consecutive frames, each frame comprising a plurality of information packets, and each information packet comprising  $N$  bits, where  $N > 1$ ,

characterized in that, in the formula

$$P = \frac{BR}{N} \times \frac{n_s}{F_s}$$

where  $BR$  is the bit rate of said second digital signal, and  $n_s$  is the <sup>average</sup> number of samples of said information whose corresponding information in said second signal is included in one frame of said second signal,

if  $P$  is an integer, the number of information packets in one frame is  $P$ , and

if  $P$  is not an integer, the number of information packets in a number  $B$  of the frames is  $P'$ , where  $P'$  is the

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